

Anna Laura Capriotti

List of Publications by Citations

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163
papers

5,191
citations

41
h-index

64
g-index

174
ext. papers

6,071
ext. citations

5.3
avg, IF

5.77
L-index

#	Paper	IF	Citations
163	Effect of polyethyleneglycol (PEG) chain length on the bio-nano-interactions between PEGylated lipid nanoparticles and biological fluids: from nanostructure to uptake in cancer cells. <i>Nanoscale</i> , 2014 , 6, 2782-92	7.7	353
162	Recent developments in matrix solid-phase dispersion extraction. <i>Journal of Chromatography A</i> , 2010 , 1217, 2521-32	4.5	228
161	Time evolution of nanoparticle-protein corona in human plasma: relevance for targeted drug delivery. <i>Langmuir</i> , 2013 , 29, 6485-94	4	215
160	The protein corona of circulating PEGylated liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 189-96	3.8	136
159	Selective targeting capability acquired with a protein corona adsorbed on the surface of 1,2-dioleoyl-3-trimethylammonium propane/DNA nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 13171-9	9.5	119
158	Multiclass mycotoxin analysis in food, environmental and biological matrices with chromatography/mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 466-503	11	105
157	The biomolecular corona of nanoparticles in circulating biological media. <i>Nanoscale</i> , 2015 , 7, 13958-66	7.7	100
156	Recent trends in the analysis of bioactive peptides in milk and dairy products. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2677-85	4.4	100
155	Interplay of protein corona and immune cells controls blood residency of liposomes. <i>Nature Communications</i> , 2019 , 10, 3686	17.4	97
154	Identification of potential bioactive peptides generated by simulated gastrointestinal digestion of soybean seeds and soy milk proteins. <i>Journal of Food Composition and Analysis</i> , 2015 , 44, 205-213	4.1	96
153	Stealth effect of biomolecular corona on nanoparticle uptake by immune cells. <i>Langmuir</i> , 2015 , 31, 10764-73		87
152	A novel phytocannabinoid isolated from Cannabis sativa L. with an in vivo cannabimimetic activity higher than Δ^9 -tetrahydrocannabinol: Δ^9 -tetrahydrocannabiphlorol. <i>Scientific Reports</i> , 2019 , 9, 20335	4.9	87
151	Evolution of the protein corona of lipid gene vectors as a function of plasma concentration. <i>Langmuir</i> , 2011 , 27, 15048-53	4	86
150	Recent trends in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 43, 53-66	14.6	80
149	Recent advances and developments in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 71, 186-193	14.6	80
148	The liposome-protein corona in mice and humans and its implications for in vivo delivery. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7419-7428	7.3	70
147	Influence of dynamic flow environment on nanoparticle-protein corona: From protein patterns to uptake in cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 153, 263-271	6	68

146	Intact protein separation by chromatographic and/or electrophoretic techniques for top-down proteomics. <i>Journal of Chromatography A</i> , 2011 , 1218, 8760-76	4.5	67
145	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3425-3444	4.4	66
144	Surface chemistry and serum type both determine the nanoparticle-protein corona. <i>Journal of Proteomics</i> , 2015 , 119, 209-17	3.9	65
143	Lipid composition: a key factor for the rational manipulation of the liposome-protein corona by liposome design. <i>RSC Advances</i> , 2015 , 5, 5967-5975	3.7	64
142	Comparison of extraction methods for the identification and quantification of polyphenols in virgin olive oil by ultra-HPLC-QToF mass spectrometry. <i>Food Chemistry</i> , 2014 , 158, 392-400	8.5	62
141	Multiclass screening method based on solvent extraction and liquid chromatography-tandem mass spectrometry for the determination of antimicrobials and mycotoxins in egg. <i>Journal of Chromatography A</i> , 2012 , 1268, 84-90	4.5	61
140	Peptidomic strategy for purification and identification of potential ACE-inhibitory and antioxidant peptides in <i>Tetradismus obliquus</i> microalgae. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3573-3586	4.4	58
139	Do plasma proteins distinguish between liposomes of varying charge density?. <i>Journal of Proteomics</i> , 2012 , 75, 1924-32	3.9	57
138	Purification and identification of endogenous antioxidant and ACE-inhibitory peptides from donkey milk by multidimensional liquid chromatography and nanoHPLC-high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5657-66	4.4	55
137	Peptidome characterization and bioactivity analysis of donkey milk. <i>Journal of Proteomics</i> , 2015 , 119, 21-9	3.9	53
136	Development and validation of a liquid chromatography/atmospheric pressure photoionization-tandem mass spectrometric method for the analysis of mycotoxins subjected to commission regulation (EC) No. 1881/2006 in cereals. <i>Journal of Chromatography A</i> , 2010 , 1217, 6044-51	4.5	53
135	An apolipoprotein-enriched biomolecular corona switches the cellular uptake mechanism and trafficking pathway of lipid nanoparticles. <i>Nanoscale</i> , 2017 , 9, 17254-17262	7.7	52
134	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. <i>Chromatographia</i> , 2019 , 82, 1251-1274	2.1	52
133	Gel-free proteomics reveal potential biomarkers of priming-induced salt tolerance in durum wheat. <i>Journal of Proteomics</i> , 2013 , 91, 486-99	3.9	51
132	Comparative analysis of metabolic proteome variation in ascorbate-primed and unprimed wheat seeds during germination under salt stress. <i>Journal of Proteomics</i> , 2014 , 108, 238-57	3.9	50
131	Analytical Methods for Characterizing the Nanoparticle-Protein Corona. <i>Chromatographia</i> , 2014 , 77, 755-769	2.1	50
130	Multiclass analysis of mycotoxins in biscuits by high performance liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. <i>Journal of Chromatography A</i> , 2014 , 1343, 69-78	4.5	47
129	In vivo protein corona patterns of lipid nanoparticles. <i>RSC Advances</i> , 2017 , 7, 1137-1145	3.7	46

128	Factors determining the superior performance of lipid/DNA/protamine nanoparticles over lipoplexes. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 4160-71	8.3	46
127	Analytical strategies based on chromatography-mass spectrometry for the determination of estrogen-mimicking compounds in food. <i>Journal of Chromatography A</i> , 2013 , 1313, 62-77	4.5	45
126	New Magnetic Graphitized Carbon Black TiO Composite for Phosphopeptide Selective Enrichment in Shotgun Phosphoproteomics. <i>Analytical Chemistry</i> , 2016 , 88, 12043-12050	7.8	44
125	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. <i>Food Research International</i> , 2017 , 100, 28-52	7	43
124	Proteomic study of a tolerant genotype of durum wheat under salt-stress conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1423-35	4.4	42
123	Labeling and label free shotgun proteomics approaches to characterize muscle tissue from farmed and wild gilthead sea bream (<i>Sparus aurata</i>). <i>Journal of Chromatography A</i> , 2016 , 1428, 193-201	4.5	41
122	Disease-specific protein corona sensor arrays may have disease detection capacity. <i>Nanoscale Horizons</i> , 2019 , 4, 1063-1076	10.8	41
121	Comparison of three different enrichment strategies for serum low molecular weight protein identification using shotgun proteomics approach. <i>Analytica Chimica Acta</i> , 2012 , 740, 58-65	6.6	38
120	Proteomic characterization of human platelet-derived microparticles. <i>Analytica Chimica Acta</i> , 2013 , 776, 57-63	6.6	37
119	Extending the applicability of pressurized hot water extraction to compounds exhibiting limited water solubility by pH control: curcumin from the turmeric rhizome. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2977-85	4.4	37
118	Analysis of plasma protein adsorption onto DC-Chol-DOPE cationic liposomes by HPLC-CHIP coupled to a Q-TOF mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 2895-903	4.4	36
117	Differential analysis of "protein corona" profile adsorbed onto different nonviral gene delivery systems. <i>Analytical Biochemistry</i> , 2011 , 419, 180-9	3.1	35
116	Brain Targeting by Liposome-Biomolecular Corona Boosts Anticancer Efficacy of Temozolomide in Glioblastoma Cells. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 3166-3174	5.7	34
115	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. <i>Talanta</i> , 2018 , 178, 274-281	6.2	33
114	Human Biomolecular Corona of Liposomal Doxorubicin: The Overlooked Factor in Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22951-22962	9.5	33
113	Development of an analytical strategy for the identification of potential bioactive peptides generated by in vitro tryptic digestion of fish muscle proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 845-54	4.4	32
112	Phosphopeptide enrichment: Development of magnetic solid phase extraction method based on polydopamine coating and Ti(4+)-IMAC. <i>Analytica Chimica Acta</i> , 2016 , 909, 67-74	6.6	32
111	Protein profile of mature soybean seeds and prepared soybean milk. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 9893-9	5.7	32

110	Development of a Rapid LC-MS/MS Method for the Determination of Emerging Fusarium mycotoxins Enniatins and Beauvericin in Human Biological Fluids. <i>Toxins</i> , 2015 , 7, 3554-71	4.9	32
109	Comprehensive polyphenol profiling of a strawberry extract (<i>Fragaria lananassa</i>) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2127-2142	4.4	31
108	Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. <i>Journal of Functional Foods</i> , 2018 , 44, 40-47	5.1	29
107	Converting the personalized biomolecular corona of graphene oxide nanoflakes into a high-throughput diagnostic test for early cancer detection. <i>Nanoscale</i> , 2019 , 11, 15339-15346	7.7	29
106	Heterosis profile of sunflower leaves: a label free proteomics approach. <i>Journal of Proteomics</i> , 2014 , 99, 101-10	3.9	29
105	Protein Corona Fingerprints of Liposomes: New Opportunities for Targeted Drug Delivery and Early Detection in Pancreatic Cancer. <i>Pharmaceutics</i> , 2019 , 11,	6.4	27
104	Effect of DOPE and cholesterol on the protein adsorption onto lipid nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	27
103	Shotgun proteomic analytical approach for studying proteins adsorbed onto liposome surface. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 1195-202	4.4	27
102	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. <i>Talanta</i> , 2020 , 209, 120573	6.2	27
101	Polydopamine-coated magnetic nanoparticles for isolation and enrichment of estrogenic compounds from surface water samples followed by liquid chromatography-tandem mass spectrometry determination. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4011-20	4.4	27
100	Identification of three novel angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. <i>Journal of Functional Foods</i> , 2016 , 27, 262-273	5.1	27
99	Chromatographic column evaluation for the untargeted profiling of glucosinolates in cauliflower by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Talanta</i> , 2018 , 179, 792-802	6.2	26
98	DNA affects the composition of lipoplex protein corona: a proteomics approach. <i>Proteomics</i> , 2011 , 11, 3349-58	4.8	26
97	Label-free quantitative analysis for studying the interactions between nanoparticles and plasma proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 635-45	4.4	25
96	The biomolecular corona of gold nanoparticles in a controlled microfluidic environment. <i>Lab on A Chip</i> , 2019 , 19, 2557-2567	7.2	24
95	Personalized Graphene Oxide-Protein Corona in the Human Plasma of Pancreatic Cancer Patients. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 491	5.8	24
94	Multiresidue analysis of endocrine-disrupting compounds and perfluorinated sulfates and carboxylic acids in sediments by ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1438, 133-42	4.5	24
93	A Rapid Magnetic Solid Phase Extraction Method Followed by Liquid Chromatography-Tandem Mass Spectrometry Analysis for the Determination of Mycotoxins in Cereals. <i>Toxins</i> , 2017 , 9,	4.9	23

92	A new carbon-based magnetic material for the dispersive solid-phase extraction of UV filters from water samples before liquid chromatography-tandem mass spectrometry analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4181-4194	4.4	22
91	Simultaneous Determination of Naturally Occurring Estrogens and Mycoestrogens in Milk by Ultrahigh-Performance Liquid Chromatography-Tandem Mass Spectrometry Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8940-6	5.7	22
90	Chromatographic Methods Coupled to Mass Spectrometry Detection for the Determination of Phenolic Acids in Plants and Fruits. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 353-370	1.3	22
89	Peroxiredoxin 2 nuclear levels are regulated by circadian clock synchronization in human keratinocytes. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 53, 24-34	5.6	22
88	High performance liquid chromatography tandem mass spectrometry determination of perfluorinated acids in cow milk. <i>Journal of Chromatography A</i> , 2013 , 1319, 72-9	4.5	21
87	Characterization of quinoa seed proteome combining different protein precipitation techniques: Improvement of knowledge of nonmodel plant proteomics. <i>Journal of Separation Science</i> , 2015 , 38, 1017-15	2.45	21
86	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1177-1185	4.4	20
85	Multiresidue determination of UV filters in water samples by solid-phase extraction and liquid chromatography with tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , 2014 , 37, 2882-91	2.4	20
84	Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1590, 73-79	4.5	20
83	Identification of bioactive short peptides in cow milk by high-performance liquid chromatography on C18 and porous graphitic carbon coupled to high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3395-3404	4.4	19
82	Effect of membrane charge density on the protein corona of cationic liposomes: Interplay between cationic charge and surface area. <i>Applied Physics Letters</i> , 2011 , 99, 033702	3.4	19
81	Biomarkers in Prostate Cancer Diagnosis: From Current Knowledge to the Role of Metabolomics and Exosomes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	19
80	Liposome protein corona characterization as a new approach in nanomedicine. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4313-4326	4.4	19
79	Ultra-high-performance liquid chromatography-tandem mass spectrometry for the analysis of free and conjugated natural estrogens in cow milk without deconjugation. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1705-19	4.4	18
78	Identification of a new cannabidiol n-hexyl homolog in a medicinal cannabis variety with an antinociceptive activity in mice: cannabidihexol. <i>Scientific Reports</i> , 2020 , 10, 22019	4.9	18
77	Shotgun proteomic analysis of soybean embryonic axes during germination under salt stress. <i>Proteomics</i> , 2016 , 16, 1537-46	4.8	17
76	Graphitized Carbon Black Enrichment and UHPLC-MS/MS Allow to Meet the Challenge of Small Chain Peptidomics in Urine. <i>Analytical Chemistry</i> , 2019 , 91, 11474-11481	7.8	17
75	Microfluidic-generated lipid-graphene oxide nanoparticles for gene delivery. <i>Applied Physics Letters</i> , 2019 , 114, 233701	3.4	16

74	Improved identification of phytocannabinoids using a dedicated structure-based workflow. <i>Talanta</i> , 2020 , 219, 121310	6.2	16
73	Separation of intact proteins on Ffay-induced polymethacrylate monolithic columns: A highly permeable stationary phase with high peak capacity for capillary high-performance liquid chromatography with high-resolution mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 264-71	3.4	16
72	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. <i>Molecular BioSystems</i> , 2014 , 10, 2815-9		16
71	Proteome investigation of the non-model plant pomegranate (<i>Punica granatum</i> L.). <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 9301-9	4.4	16
70	Nanostructured functional co-polymers bioconjugate integrin inhibitors. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 465-71	9.3	16
69	Evaluation of column length and particle size effect on the untargeted profiling of a phytochemical mixture by using UHPLC coupled to high-resolution mass spectrometry. <i>Journal of Separation Science</i> , 2017 , 40, 2541-2557	3.4	15
68	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. <i>Talanta</i> , 2018 , 183, 245-249	6.2	15
67	Biophysics and protein corona analysis of Janus cyclodextrin-DNA nanocomplexes. Efficient cellular transfection on cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1737-1749	4	14
66	Proteomic platform for the identification of proteins in olive (<i>Olea europaea</i>) pulp. <i>Analytica Chimica Acta</i> , 2013 , 800, 36-42	6.6	14
65	Natural estrogens in dairy products: Determination of free and conjugated forms by ultra high performance liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2015 , 38, 3599-606	3.4	14
64	Delving into the Polar Lipidome by Optimized Chromatographic Separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar: Microalgae as Case Study. <i>Analytical Chemistry</i> , 2018 , 90, 12230-12238	7.8	14
63	Peptides from Cauliflower By-Products, Obtained by an Efficient, Ecosustainable, and Semi-Industrial Method, Exert Protective Effects on Endothelial Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1046504	6.7	13
62	Determination of multi-class emerging contaminants in sludge and recovery materials from waste water treatment plants: Development of a modified QuEChERS method coupled to LCMS/MS. <i>Microchemical Journal</i> , 2020 , 155, 104732	4.8	13
61	Peptidomic Approach for the Identification of Peptides with Potential Antioxidant and Anti-Hypertensive Effects Derived From Asparagus By-Products. <i>Molecules</i> , 2019 , 24,	4.8	13
60	Phospholipidome of extra virgin olive oil: Development of a solid phase extraction protocol followed by liquid chromatography-high resolution mass spectrometry for its software-assisted identification. <i>Food Chemistry</i> , 2020 , 310, 125860	8.5	13
59	Mycoestrogen determination in cow milk: Magnetic solid-phase extraction followed by liquid chromatography and tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , 2016 , 39, 4794-4804	3.4	12
58	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. <i>Talanta</i> , 2018 , 188, 671-675	6.2	12
57	Evaluation of different two-dimensional chromatographic techniques for proteomic analysis of mouse cardiac tissue. <i>Biomedical Chromatography</i> , 2011 , 25, 594-9	1.7	12

56	Magnetic Materials for the Selective Analysis of Peptide and Protein Biomarkers. <i>Current Medicinal Chemistry</i> , 2017 , 24, 438-453	4.3	12
55	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. <i>Journal of Chromatography A</i> , 2021 , 1655, 462492	4.5	12
54	A Triple Quadrupole and a Hybrid Quadrupole Orbitrap Mass Spectrometer in Comparison for Polyphenol Quantitation. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 4885-4896	5.7	11
53	Untargeted Characterization of Chestnut (Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. <i>Molecules</i> , 2020 , 25,	4.8	11
52	Carbon nanostructure morphology templates nanocomposites for phosphoproteomics. <i>Nano Research</i> , 2020 , 13, 380-388	10	11
51	Identification and Antimicrobial Activity of Medium-Sized and Short Peptides from Yellowfin Tuna () Simulated Gastrointestinal Digestion. <i>Foods</i> , 2020 , 9,	4.9	11
50	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. <i>Talanta</i> , 2020 , 209, 120487	6.2	11
49	Potency testing of cannabinoids by liquid and supercritical fluid chromatography: Where we are, what we need. <i>Journal of Chromatography A</i> , 2021 , 1651, 462304	4.5	11
48	A new opening for the tricky untargeted investigation of natural and modified short peptides. <i>Talanta</i> , 2020 , 219, 121262	6.2	10
47	Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine. <i>Analytica Chimica Acta</i> , 2021 , 1158, 338381	6.6	10
46	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. <i>Molecules</i> , 2018 , 23,	4.8	10
45	A multidimensional liquid chromatography-tandem mass spectrometry platform to improve protein identification in high-throughput shotgun proteomics. <i>Journal of Chromatography A</i> , 2017 , 1498, 176-182	4.5	9
44	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. <i>Toxins</i> , 2019 , 11,	4.9	9
43	Label-Free Shotgun Proteomics Approach to Characterize Muscle Tissue from Farmed and Wild European Sea Bass (<i>Dicentrarchus labrax</i>). <i>Food Analytical Methods</i> , 2018 , 11, 292-301	3.4	9
42	Developments and pitfalls in the characterization of phenolic compounds in food: From targeted analysis to metabolomics-based approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116083	14.6	9
41	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. <i>Talanta</i> , 2021 , 230, 122313	6.2	9
40	Food Proteins and Peptides. <i>Comprehensive Analytical Chemistry</i> , 2015 , 68, 309-357	1.9	8
39	Does the protein corona take over the selectivity of molecularly imprinted nanoparticles? The biological challenges to recognition. <i>Journal of Proteomics</i> , 2020 , 219, 103736	3.9	8

38	A protein corona sensor array detects breast and prostate cancers. <i>Nanoscale</i> , 2020 , 12, 16697-16704	7.7	8
37	Proteomic analysis and bioluminescent reporter gene assays to investigate effects of simulated microgravity on Caco-2 cells. <i>Proteomics</i> , 2017 , 17, 1700081	4.8	7
36	Andean Blueberry of the Genus <i>Disterigma</i> : A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. <i>Separations</i> , 2021 , 8, 58	3.1	7
35	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. <i>Food Chemistry</i> , 2021 , 343, 128443	8.5	7
34	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 8326-8330	7.8	6
33	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. <i>Antioxidants</i> , 2021 , 10,	7.1	6
32	Effect of Glucose on Liposome-Plasma Protein Interactions: Relevance for the Physiological Response of Clinically Approved Liposomal Formulations. <i>Advanced Biology</i> , 2019 , 3, e1800221	3.5	6
31	Development of a Sample-Preparation Workflow for Sulfopeptide Enrichment: From Target Analysis to Challenges in Shotgun Sulfopeptomics. <i>Analytical Chemistry</i> , 2020 , 92, 7964-7971	7.8	5
30	Oponin-Deficient Nucleoproteic Corona Endows UnPEGylated Liposomes with Stealth Properties .. <i>ACS Nano</i> , 2022 ,	16.7	5
29	Optimal centrifugal isolating of liposome-protein complexes from human plasma. <i>Nanoscale Advances</i> , 2021 , 3, 3824-3834	5.1	5
28	Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics. <i>Journal of Chromatography A</i> , 2021 , 1639, 461881	4.5	5
27	Effect of shell structure of Ti-immobilized metal ion affinity chromatography core-shell magnetic particles for phosphopeptide enrichment. <i>Scientific Reports</i> , 2019 , 9, 15782	4.9	4
26	Magnetic molecularly imprinted multishell particles for zearalenone recognition. <i>Polymer</i> , 2020 , 188, 122102	3.9	4
25	A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification. <i>Journal of Chromatography A</i> , 2020 , 1613, 460699	4.5	4
24	Investigation of free seleno-amino acids in extra-virgin olive oil by mixed mode solid phase extraction cleanup and enantioselective hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2019 , 278, 17-25	8.5	4
23	Identification and Quantification of Polycyclic Aromatic Hydrocarbons in Polyhydroxyalkanoates Produced from Mixed Microbial Cultures and Municipal Organic Wastes at Pilot Scale. <i>Molecules</i> , 2021 , 26,	4.8	3
22	Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019 , 42, 1938-1947	3.4	2
21	Polyphenol content in white table grape (<i>Vitis Vinifera</i>) berries of cultivar Italia: interactive effect of irrigation, delayed harvest and storage. <i>Natural Product Research</i> , 2012 , 26, 1787-95	2.3	2

20	Rapid Resolution Liquid chromatography/High Resolution Tandem Mass Spectrometry to Characterize Metabolic Changes in Subjects Involved in MARS500 Project. <i>Chromatographia</i> , 2011 , 73, 45-53	2.1	2
19	Surface adsorption of protein corona controls the cell uptake mechanism in efficient cationic liposome/DNA complexes in serum. <i>Journal of Controlled Release</i> , 2010 , 148, e94-5	11.7	2
18	Detailed investigation of the composition and transformations of phenolic compounds in fresh and fermented <i>Vaccinium floribundum</i> berry extracts by high-resolution mass spectrometry and bioinformatics.. <i>Phytochemical Analysis</i> , 2022 ,	3.4	2
17	Multielement Characterization and Antioxidant Activity of Italian Extra-Virgin Olive Oils. <i>Frontiers in Chemistry</i> , 2021 , 9, 769620	5	2
16	Profiling and quantitative analysis of underivatized fatty acids in <i>Chlorella vulgaris</i> microalgae by liquid chromatography-high resolution mass spectrometry. <i>Journal of Separation Science</i> , 2021 , 44, 3041-3051	3.4	2
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